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Application No.: 10/526,170

Docket No.: JCLA12206

AMENDMENTIn The Claims:

Please amend the claims as follows:

Claims 1. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that said housing is made of resin.~~

wherein said housing is made of resin and has a cylindrical side portion and a ring-shaped seal portion integrally extending from the upper end of said side portion in an inner radial direction, and

wherein a seal space is defined between an inner peripheral surface of said seal portion and an outer periphery of said axial portion, and an internal space of said housing sealed with

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said seal portion is filled with the lubricating oil and the oil level of the lubricating oil is maintained within said seal space.

Claim 2. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that said housing is made of resin, and said thrust member is fixed on one end of said housing by welding.~~

wherein said housing is made of resin and has a cylindrical side portion and a ring-shaped seal portion integrally extending from the upper end of said side portion in an inner radial direction, and

wherein said thrust member is fixed on one end of said housing by welding, and

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wherein a seal space is defined between an inner peripheral surface of said seal portion and an outer periphery of said axial portion, and an internal space of said housing sealed with said seal portion is filled with the lubricating oil and the oil level of the lubricating oil is maintained within said seal space.

Claim 3. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that~~ wherein said housing is made of resin, and said thrust member is attached to one end of said housing, and a seal member is fixed on said end by welding.

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Claim 4. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve made of sintered metal, said bearing sleeve being fixed on an inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that~~ wherein said housing is made of resin, and said bearing sleeve is made of sintered metal, and

wherein said bearing sleeve is fixed on said inner periphery of said housing by welding.

Claim 5. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve fixed on an inner periphery of said housing;

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an axial member having an axial portion and a flange portion; a thrust member attached to one end of said housing;

a seal member attached to the other end of said housing; a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by the action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that~~ wherein said housing is made of resin, and said seal member is fixed on said other end of said housing by welding.

Claim 6. (currently amended) A dynamic bearing device comprising:

a housing;

a bearing sleeve made of sintered metal, said bearing sleeve being fixed on the inner periphery of said housing;

an axial member having an axial portion and a flange portion;

a thrust member attached to one end of said housing;

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a radial bearing portion provided between said bearing sleeve and said axial portion to support said axial portion in a radial direction in a non-contact manner by an action of dynamic pressure of lubricating oil generated in a radial bearing gap; and

a thrust bearing portion provided between said bearing sleeve and said flange portion, and between said thrust member and said flange portion, to support said flange portion in a thrust direction in a non-contact manner by an action of dynamic pressure of said lubricating oil generated in a thrust bearing gap;

~~the dynamic bearing device characterized in that~~ wherein said housing is made of the same type of metal as said bearing sleeve, and said bearing sleeve is fixed on said inner periphery of said housing by welding.

Claim 7. (currently amended) The dynamic bearing device according to claims 2 to 5, ~~characterized in that ultrasonic welding is adopted as~~ wherein said welding is ultrasonic welding.